



## MPSV IEVOLI AMBER

### MPSV H70 - MMC 879L CD

THE VESSEL IS EQUIPPED AND FITTED FOR THE FOLLOWING CONTINGENCY SERVICES:

- FIRE FIGHTING
- SUPPLY DUTIES
- HEAVY SUBSEA LIFTING
- ROV AND DIVING SHIP
- SURVEY ACTIVITIES

### MAIN DESCRIPTION

Year Built : Delivery April 2017  
 Vessel built : Selah Shipyard – Tuzla (Turkey)  
 Type : Standby Platform Supply Vessel / FiFi 1 / DP2  
 Classification : **BV** - I ✕ Hull ✕ Mach1 - Supply Vessel, Oil Recovery Ship Second-Line; Fire Fighting Ship 1 waterspraying; LHNS / SP (60); Unrestricted Navigation; ✕ AUT-UMS, ✕ Dynapos AM/AT-R; Cleanship, Inwatersurvey  
 Additional Notes : ✕ SPS Code 2008 – Resolution MSC.266(84)  
 Port of registry : Naples n. 579  
 Flag : Italian  
 Call Sign : I B S J  
 IMO Nr. : 9764984  
 MMSI Nr. : 2473744600  
 Regulations : BV, COLREG, Load Line, SOLAS Certificates, Tonnage Certificate, Marpol Annex I,II,IV,V, VI, IMO A493-494, IMO A749 (18), IMO 673 (16), IMO A325, ISPS Code, MSC 645, MSC 664, MSC 235 (82)

### MAIN PARTICULARS

Design : MMC 879L CD  
 LOA : 83,83 m  
 Length PP : 81,50 m  
 Breath Moulded : 16,80 m  
 Depth Moulded : 7,40 m  
 Summer Draft : 6,00 m  
 Gross tonnage : 3715 Tonn  
 Net tonnage : 1408 Tonn

### PERFORMANCE

Max Speed : 14,00 Knts - 22/24 Tonn/day  
 Cruise Speed : 10-11,50 Knts - 12/14 Tonn/day  
 Eco Speed : 09-10,00 Knts - 08/10 Tonn/day  
 DP h24 : 06/07 Tonn/day  
 Port consumption : 0,75 Tonn/day  
 Type of Fuel : M.G.O.

### CAPACITIES

Dead weight : 4000 t (approx)  
 Deck cargo : 1600 Tonn  
 Cargo deck dimensions : 50,00 x 14,00 m  
 Deck area : 600 m<sup>2</sup>  
 ROV Mezzanine : 60 m<sup>2</sup>  
 Deck strength : 5 t/ m<sup>2</sup>  
 Freezer Room : Available

### DECK EQUIPMENTS

Capstans : 2 x 10 Tonn  
 Tugger Winches : 2 x 10 Tonn  
 Offshore Subsea : NOV - OC2809KSCCE (35-50) AHC  
 Knuckle Boom Crane : Main Hook  
 AHC - SWL 50 Tonn @ 11m  
 3000 mtrs lifting height  
Aux. Hook  
 SWL 10 Tonn @ 21m  
 500 mtrs lifting height  
 Deck Crane : 2 Tonn @ 10mt  
 Stern A-Frame : SWL 17 Tonn  
 Removable bulwarks : Port and Starboard side  
 Gate Frame 36 / 43  
 Total length 4720 mm

### CARGO CAPACITIES

Water Ballast / Drill Water (\*) : 1602 m<sup>3</sup>  
 Fresh Water (\*) : 1150 m<sup>3</sup>  
 Fuel Oil (\*, FP>60°C) : 800 m<sup>3</sup>  
 Liquid Mud (\*\*)(\*\*\*) : 1272 m<sup>3</sup>  
 Brine (\*\*)(\*\*\*) : 1272 m<sup>3</sup>  
 Dry Bulk (\*) : 300 m<sup>3</sup>  
 Methanol (\*) : 180 m<sup>3</sup>  
 ORO 2nd Line (\*\*) : 635 m<sup>3</sup>  
 Base Oil (\*\*) : 950 m<sup>3</sup>  
 Cargo and Ballast Monitoring System : IAS - Fitted  
 Tank washing : Available  
 Agitator LM Tanks System : Available  
 Sewage Treatment Unit : Available

\* Resolutions A673(16) Annex 1 carried out in LM/O.R.O Tanks  
 \*\* Dual Purpose tank  
 \*\*\* Multipurpose tank: LM/O.R.O/Base Oil

### CARGO PUMPS

Drill water : 2 x 100/56 m<sup>3</sup>/h at 9/2,2 Bar  
 Potable water : 2 x 100 m<sup>3</sup>/h at 8 Bar (0-100%)  
 Fuel oil : 2 x 100 m<sup>3</sup>/h at 9 Bar (0-100%)  
 Base Oil : 100 m<sup>3</sup>/h at 9 Bar (0-100%)  
 Liquid mud / Brine : 3 x 75 m<sup>3</sup>/h at 14 Bar (0-100%)  
 Liquid mud / ORO : 1 x 75 m<sup>3</sup>/h at 14 Bar screw (0-100%)  
 Methanol : 2 x 75 m<sup>3</sup>/h at 9 Bar (0-100%)

### DRY CARGO CAPACITIES

4 pressure tanks for bulk : 644 t  
 cement/barite : 300 m<sup>3</sup>  
 Compressor capacity : 1200 m<sup>3</sup>/h  
 Work pressure : 5,6 bar  
 Discharging capacity : 2 x 100 t/h at 90 m head  
 Pipe and manifold : 2 x 5" Weco

### PIPE LINE CONNECTIONS

Dry Bulk : 5" Hammer Lug Union (Weco) Male  
 Liquid Mud : 5" Avery Hardoll Male  
 Fuel oil : 5" Avery Hardoll Male  
 Potable Water : 5" Hammer Lug Union (Weco) Male  
 Ballast Drill Water : 5" Hammer Lug Union (Weco) Male  
 Methanol : 5" Avery Hardoll Male  
 Reducers Connections : 4" and 5" for each connection type

### GENERATORS AND PROPULSION

Main generators Power : MTU - 4x 16V4000M33S  
 4 x 2080 kW @ 1800 rpm  
 Propellers : RR - 2 x 2300 kW Azimuth Thrusters  
 Dia. 2800mm - Variable speed  
 Fixed pitch in nozzles  
 Tunnel thruster : RR - 2 Tunnel Bow Thruster  
 2 x 900 Kw / 1224 Bhp  
 Emergency/Harbour generator : 1 x 375 kVA

### DP SYSTEM - MANOEUVRING

DP Class : II  
 DP Type : Kongsberg – KPos DP21  
 Gyro Compass : 3 Navigat X Mk1  
 Position Reference Units : 3 x DGPS + 3 Wind Sensor  
 Laser Reference : 1 x Cyscan Mk4  
 Acoustic Reference : 1 x HiPap 502 + 1 Trunk available  
 Motion Reference : 3 x MRU-D + 1 x MRU-5  
 ERN : 99.97.84.63  
 Joystick : Kongsberg C-Joy / Fully integrated  
 Serviceable from various wheelhouse positions + 1 portable

### NAVIGATION EQUIPMENT

- 1 x Radar, JRC JMA-5300, ARPA X-band  
 - 1 x Radar, JRC JMA-5300, ARPA S-band  
 - 2 x high resolution color display, radar plotter 19"  
 - 1 x Radar repeater (slave radar) at aft wheelhouse console  
 - 2 x JRC JAN-2000 MK2 ECDIS  
 - 2 x GPS JRC, JLR-7500  
 - 1 x Navtex JRC  
 - 1 x Echo Sounder JRC JFE-380-25  
 - 1 x Doppler Speed Log – JLN-550  
 - 1 x AIS, JRC JHS-183  
 - 1 x Magnetic Compass PLATH  
 - 1 x Navitron AUTOPILOT  
 - 1 x Doppler Log - Off Course Alarm JRC  
 - 1 x BNWAS/1, NAVITRON  
 - 1 x Voyage Data recorder JYV-1900

CCTV coverage for all key areas with display at Wheelhouse and ECR

### COMMUNICATION EQUIPMENT

GMDSS Station Area A1+A2+A3  
 - V-SAT SAILOR Data/Mail transfers/VoIP phone  
 - 1 FBB 500 - VSAT backup  
 - 1 MF/HF JRC DSC +ATIS  
 - 2 VHF DSC JRC  
 - 3 Emergency VHF JOTRON TRON  
 - 2 INMARSAT C, JRC, JUE-85  
 - 1 INM-C, SSAS, SAILOR  
 - 1 EPIRB JOTRON TRON  
 - 2 SART JOTRON TRON  
 - 1 Public Address System  
 - Talk Back System between DP station, Control Rooms and ECR

### ACCOMODATION

Type of cabins	No. of cabins	No. Of berths
1 man cabins	4	4
2 man cabins	23	46
Hospital / Dispensary	1	2
Quarantine Cabin	1	1
Total number of bunks		50 + 3

Allowable to accommodate 8 pax more through an Accommodation modules.

Total POB Vessel's capacity : 57 + 3 Persons on board

Meeting Room : Fitted  
 Client Office : Fitted  
 Processing Office : Fitted  
 Wet Laboratory : Fitted  
 Ship's Office : Fitted  
 Recreation Rooms : Gym, Day room Lounge, Smoking Room  
 Sky Lobby : Fitted

### FIRE FIGHTING

*FiFi, class I*

The fire fighting system consists of the following main components:

- 2 off fire-fighting centrifugal pumps OGF250X350 COMBI capacity: 1650 m<sup>3</sup>/h head: 130 mlc 1800 rpm / 800 Kw
- 2 single/dual flow monitors joystick controlled from bridge capacity: 1200 m<sup>3</sup>/h - 12,0 bar throw length – capacity full : 140 m
- Water spray system

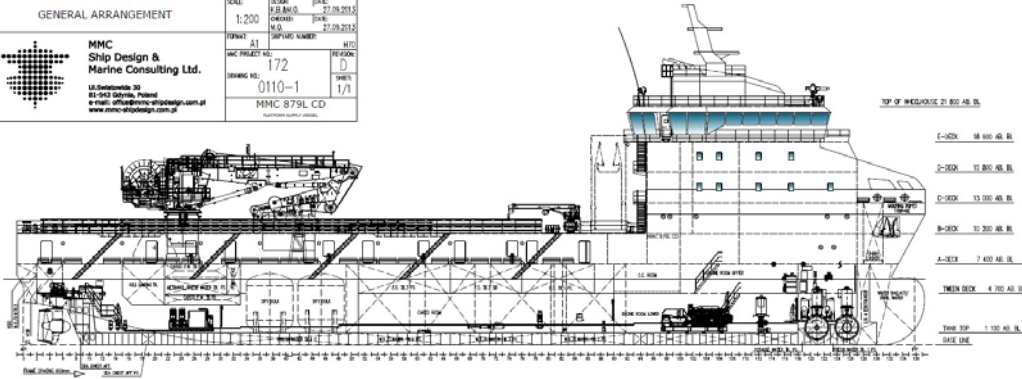
### RESCUE AND LIFESAVING EQUIPMENT

1 x Fast Rescue Boat (8 pax)  
 6 x Liferrafts (25 pax each)  
 2 x Search Light remotely controlled from bridge  
 6 x Lifebuoys provided with strobe lights and lifelines  
 1 x Hospital with treatment bench, racks for stretchers, Desk, medicine, poison locker  
 1x Dispensary with medical equipments / medicine in accordance with Flag's State and International requirements  
 1 x Quarantine Cabin

This specification is subject to alteration without prior notice

# MARNAVI

Title: Ievoli Amber Owner: MARNAVI Project: 0110-1 Scale: 1:200 Date: 22/09/2013 Drawing No.: 0110-1 Sheet: 1/1 Project: MMC 879L CD Project: Multi Purpose Supply Vessel	This drawing and the information it contains are the property of MMC SHIP DESIGN & MARINE CONSULTING Ltd. It is not to be drawn, copied or published without our written consent or released in any way.
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